

WCCF 77



THE JUPITER FAMILY

MEET THE JUPITER FAMILY!

Here is a rugged, high quality computer family available to you at an affordable price. Never before have so many high quality features and peripherals been available in a single microcomputer line. The Jupiter family was designed for tomorrow as well as today. Now is the time for you to get together with the computer of the future.

JUPITER A SYSTEMS (Mainframes)

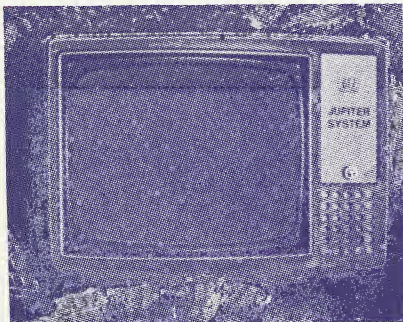
The Jupiter A systems give you all the basic components necessary to start your computer system. The 'A' systems consist of a rugged rack-mount module cage with integral nine-connector backplane, a computer front panel unit, a modular plug-in 5 voltage power supply and your choice of central processor units. The Jupiter A systems are built around a processor-independent bus structure so that all Jupiter system modules will work with any CPU module you choose. The Jupiter A systems start at under \$800.



MEMORY

Jupiter memory modules come in a wide range of types and configurations. Modules range in size from 1024 bytes to 32,768 bytes. Both static and dynamic memories are available to suit your individual requirements. All Jupiter dynamic memory modules are priced well under one cent per bit. Very economical! If you need to develop a turnkey application you can choose from many EPROM modules and an EPROM programmer module.

VIDEO TERMINALS



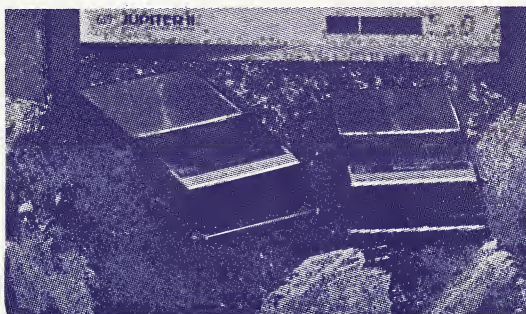
The Jupiter video terminal modules offer the utmost in flexibility and economy. All are built on the concept of dual ported static memories to provide the greatest throughput with the least loading on the CPU and bus. Models are available with up to 32 lines and up to 128 characters per line. Some versions have graphics capabilities and most can hook to ordinary TV sets.



MASS STORAGE

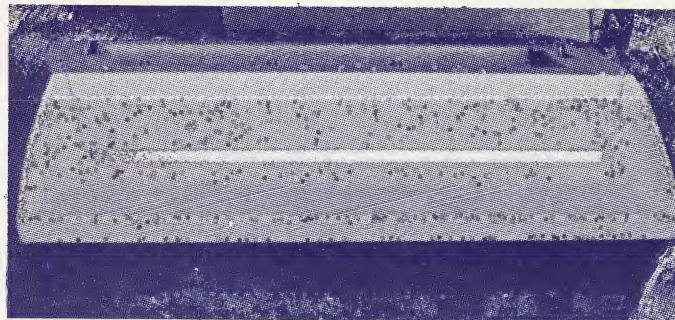
Two alternatives are offered to you for mass storage. The Jupiter dual audio cassette controller is the most economical form of mass storage. Using ordinary portable audio cassette recorders it functions as a complete 1200 baud paper tape reader/punch replacement.

For those who want very high speed access to large amounts of data, we offer the Jupiter floppy disk controller. This controller will handle up to four devices at once. To mate with our controller you can get the Jupiter dual disk drive. This dual drive accesses data several times faster than other drives and, like all Jupiter components, uses five times less power than most other systems. Each removable disk will hold 315,392 bytes of information in a soft sector format.



PRINTERS

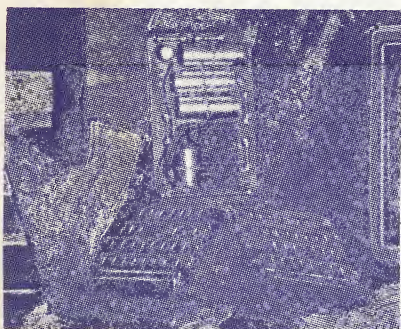
Wave Mate offers you a wide selection of printer capability for your Jupiter system. For word processing applications you can choose from either an IBM Selectric I/O Writer interface or a Diablo HyType interface. Both of these units give you crisp, clear copy. If high volume is your requirement, you can choose one of several high speed matrix printers. We even have low cost printers for you if the price is a major concern.



UNIVERSAL WIRE-WRAP MODULES

You never have to worry about your Jupiter system becoming obsolete because your Jupiter computer was designed to grow with expanding technology and always remain up-to-date. The reason your Jupiter system can do this and other systems cannot is because your Jupiter system is the only one built on small plug-in universal wire-wrap modules. The modules are built to last and to give you the flexibility required to keep on top of changes in electronics technology. These wire-wrap modules are also available separately for special projects and interfaces. Wave Mate also maintains facilities to make custom interfaces for your requirements.

RELIABILITY

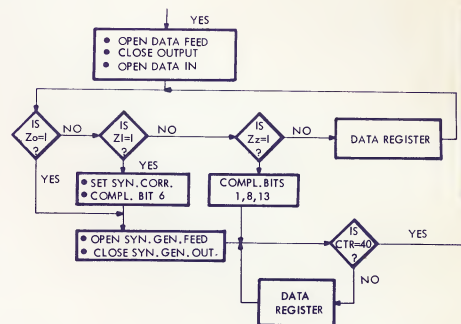


Your Jupiter system has more built-in reliability features than can be found in many systems costing up to ten times as much. All of the circuitry is socketed and all sockets, busses, and input/output connectors have gold contacts. All circuit cards are shielded with a solid ground plane. The wire-wrapped connections are many times more reliable than soldered ones. Even the power supply is a plug-in module, and what a supply it is! It is immune to both high frequency and low frequency line noise, all inputs and outputs are protected, and it will remain completely operational even in brown-outs.

SOFTWARE

All current software and software in development for the Jupiter systems is designed around a processor-independent compiling technique. This technique, termed MicroDELTM, gives you the same flexibility with software that you have with your Jupiter hardware. The software currently available and under development in this system includes: JOVE, a powerful operating system for disk or tape, a high level systems programming language, and the common languages you are already familiar with like BASIC, FORTRAN, ALGOL, PASCAL, RPG, COBOL, and others.

Compared to other systems the programs you write on your Jupiter system will take from one-half to one-quarter as much memory and will execute up to five times as fast.



Jupiter computers are currently being used in the following applications:

numerical control, bookkeeping, word processing, programming development, prototyping and hardware development, recreation (games), data collection, instrument monitoring, intelligent terminal, patient/client records, mailing lists, environmental control, animation, menu planning, budgeting, nutrition, check reconciliation, message center, inventory control, simulations, teaching machines, report preparation, dispatch center, signal processing, industrial automation robot, data acquisition, process controller, computer-aided design.





Computers & Systems

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For more information, please write or call for your closest Wave Mate authorized dealer, or fill out and return the coupon.

Please send me more information on the following items:

- | | |
|---|--|
| ☐ Jupiter II A System (6800) | ☐ Jupiter Serial Modules |
| ☐ Jupiter III A System (Z80) | ☐ Jupiter Parallel Modules |
| ☐ Jupiter Memory Modules | ☐ Jupiter Universal Wire Wrap Modules |
| ☐ Jupiter Video Modules | ☐ Jupiter Operating Systems |
| ☐ Jupiter Cassette Modules | ☐ Jupiter Language _____ |
| ☐ Jupiter Disk Module | ☐ Please have salesman call. |
| ☐ Jupiter Printer Modules | |

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Company (if any) _____

Street _____

City _____ State _____ Zip _____

Application _____